

# **SURFACE WATER PESTICIDE CONTAMINATION PREVENTION**

**Title 3 California Code of Regulations §6970 & §6972  
Effective July 19, 2012**



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March 28, 2013**

# PURPOSE

**Protect surface water from pyrethroid insecticide contamination.**

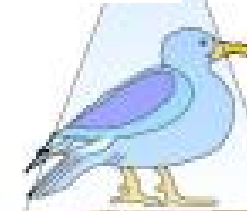
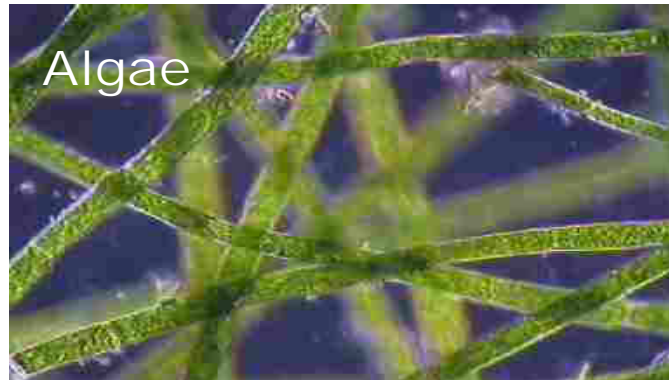
# 17 Regulated Active Ingredients

	Active Ingredient (a.i.)	Example Product
1	Bifenthrin	Talstar
2	Bioallethrin	Ace Wasp/Hornet Killer
3	S-bioallethrin	Zep Ant & Roach Spray
4	Cyfluthrin	Tempo 20 WP
5	Beta-cyfluthrin	Tempo SC, Cyguard
6	Gamma-cyhalothrin	Optimate CS
7	Lambda-cyhalothrin	Demand, Cyonara
8	Cypermethrin	Cynoff WP

## 17 Regulated Active Ingredients continued . . .

	Active Ingredient (a.i.)	Example Product
9	Deltamethrin	Enforcer, Deltagard, DeltaDust
10	Esfenvalerate	FenvaStar Plus
11	Fenpropathrin	Tame
12	Tau-fluvalinate	Mavrik
13	Permethrin	Permethrin SFR, Dragnet, Tengard
14	Phenothrin	Wasp-Freeze
15	Prallethrin	Onslaught
16	Resmethrin	
17	Tetramethrin	Wasp-X Wasp & Hornet Spray

# Aquatic Food Chain



Tertiary consumers



Secondary consumers



Primary consumers

Producers

# Regulatory Scope

- **Reduce the amount of pesticides applied.**
- **Reduce exposure of pesticides to rainfall.**

# Types of Applications Covered

## **Pest Control Businesses, including Maintenance Gardeners.**





# Types of Applications Not Covered

- \* **Homeowners**

- \* **Employees of . . .**

  - \* **An Agency**

  - \* **School**

  - \* **Institution**

  - \* **Business other than  
pest control/gardener**



# Types of Use Sites

- **Outdoors**
- **Structural use sites**
- **Institutional, industrial, commercial, and residential landscapes**
- **Landscape around buildings and to buildings at parks, golf courses, and cemeteries**

# 5 Types of Surfaces Covered

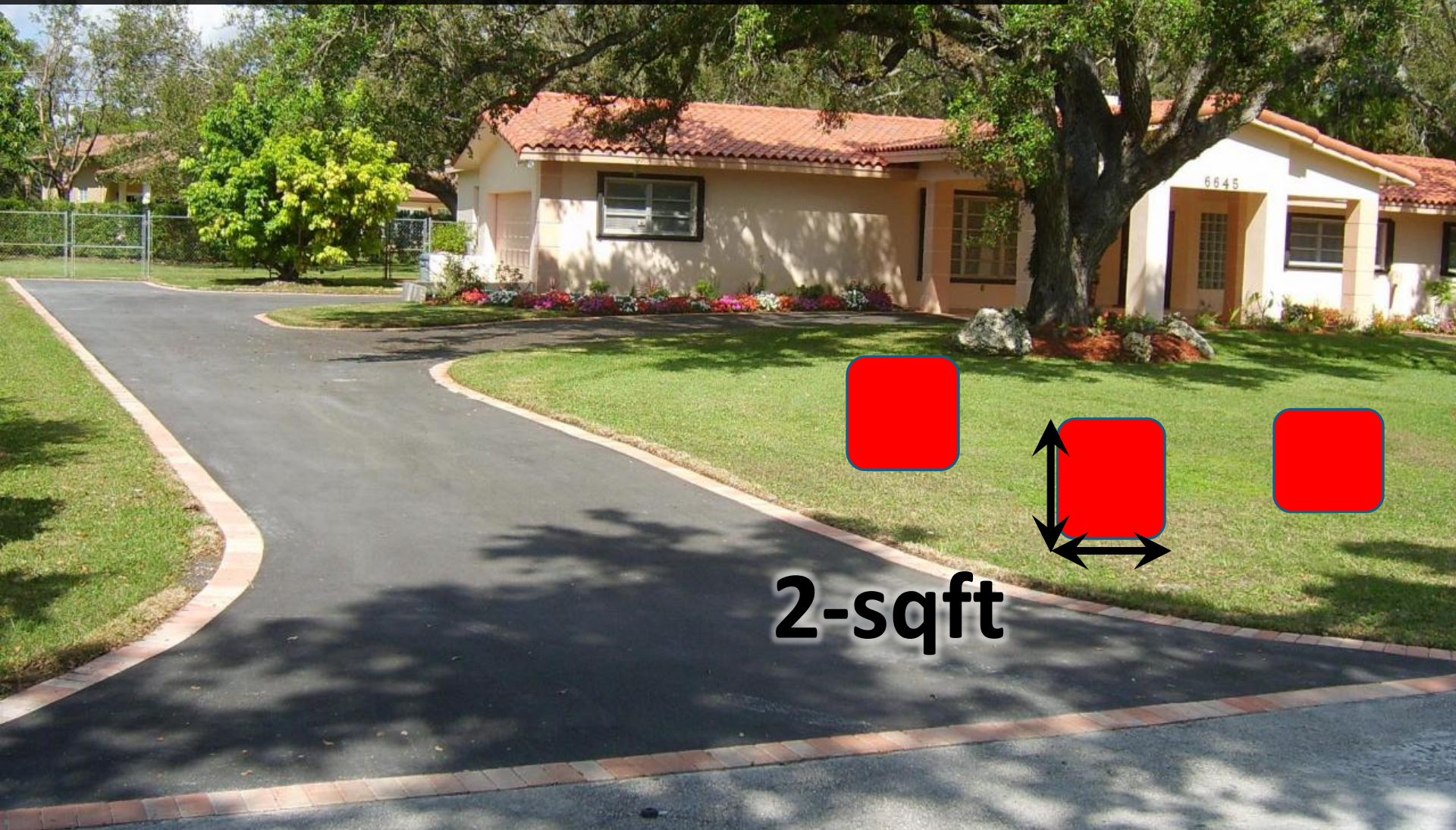
- 1) Soft surface: soil, gravel, mulch, lawn, turf, or groundcover**
- 2) Granules spilled/spreader tossed onto hard impervious surface**
- 3) Windows, doors, and horizontal impervious surfaces**
- 4) Vertical surfaces, such as walls, foundations, and fencing**
- 5) Prohibited Surfaces**



# 1) Soft Surface application

Methods, use:

- Spot treatment up to 2 square-feet

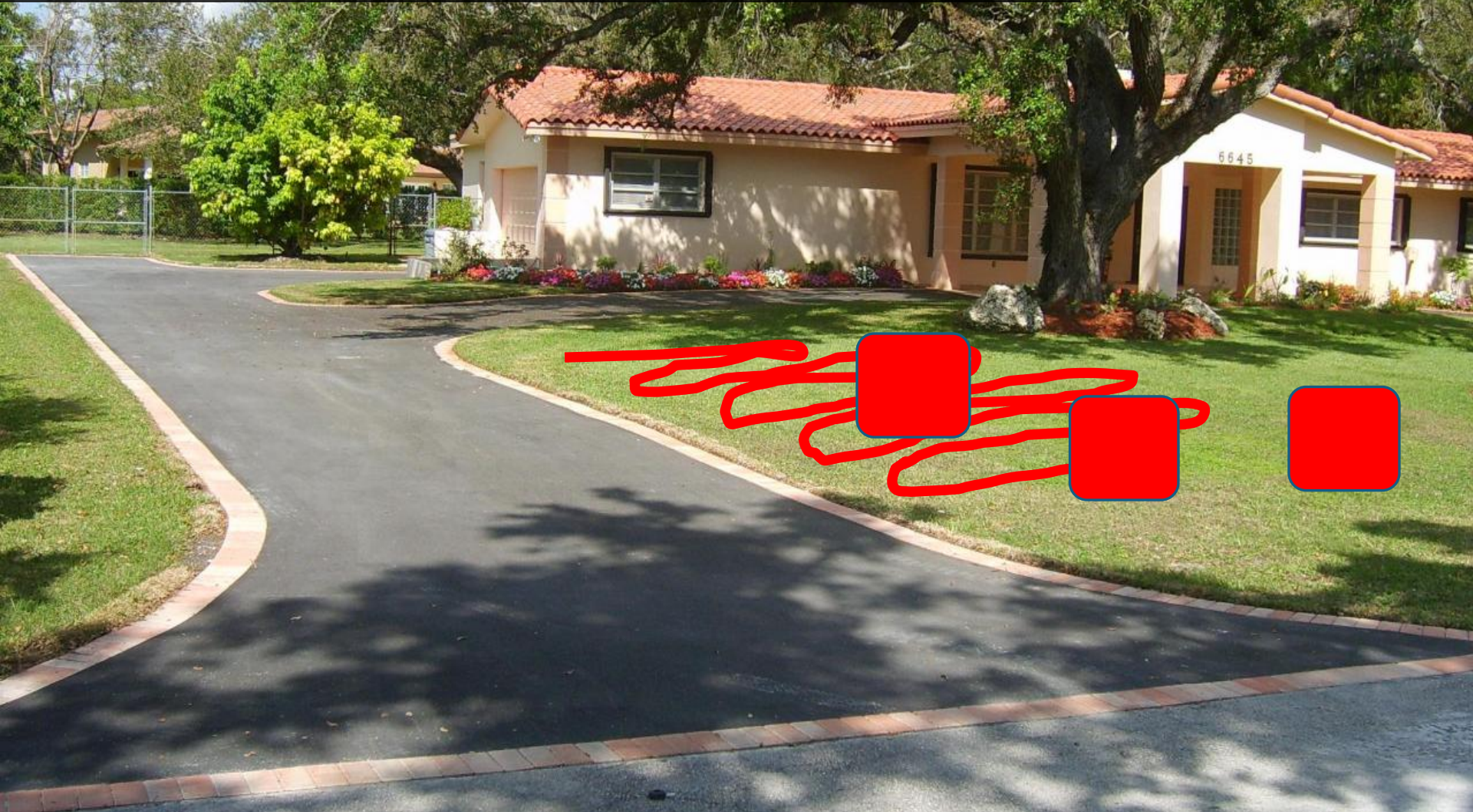




# 1) Soft Surface application

Methods, use:

- Spot treatment up to 2 square-feet
- Pin stream 1-inch wide or less

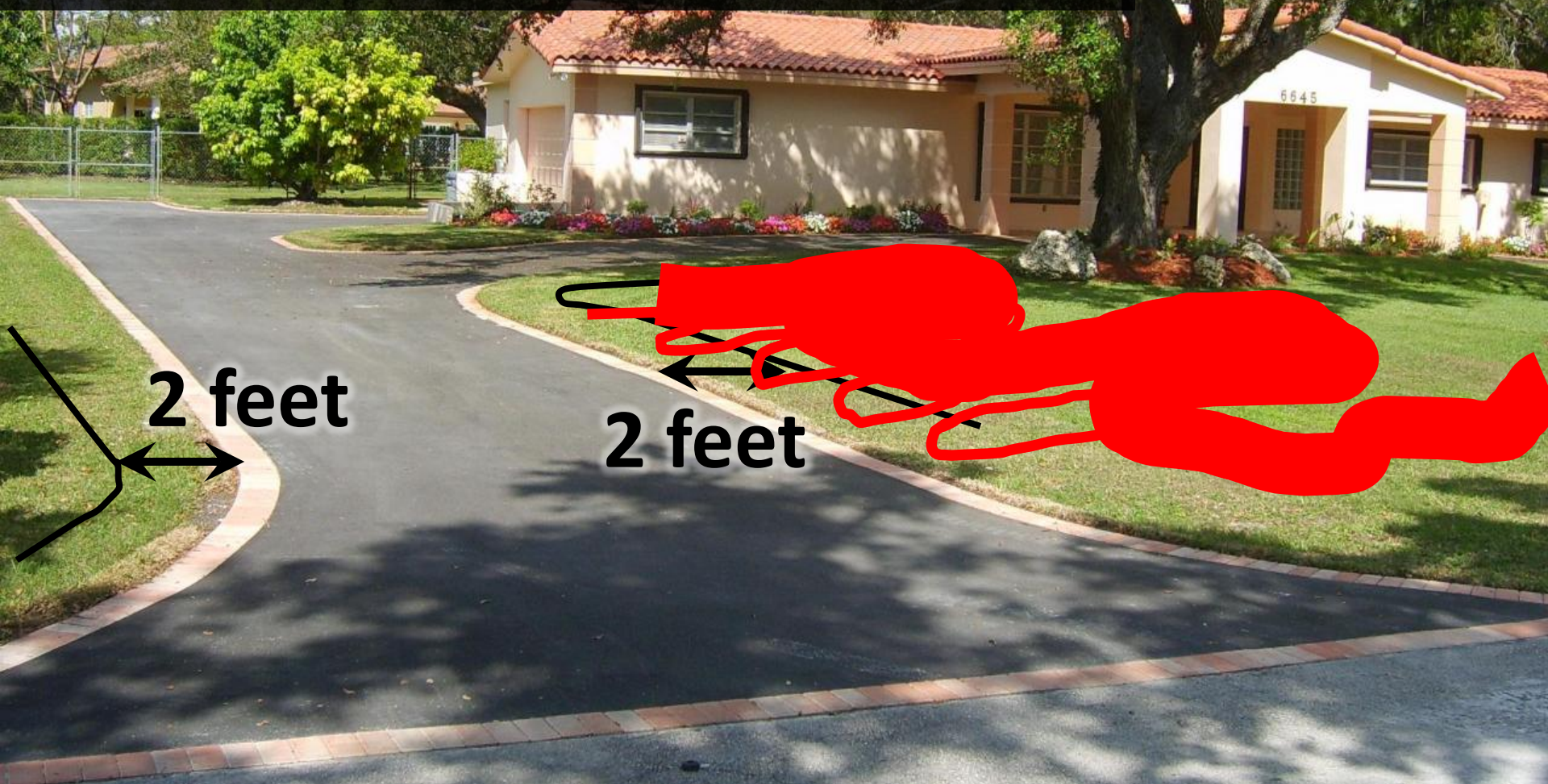




# 1) Soft Surface application

Methods, use:

- Spot treatment up to 2 square-feet
- Pin stream 1-inch wide or less
- Broadcast to within 2-feet

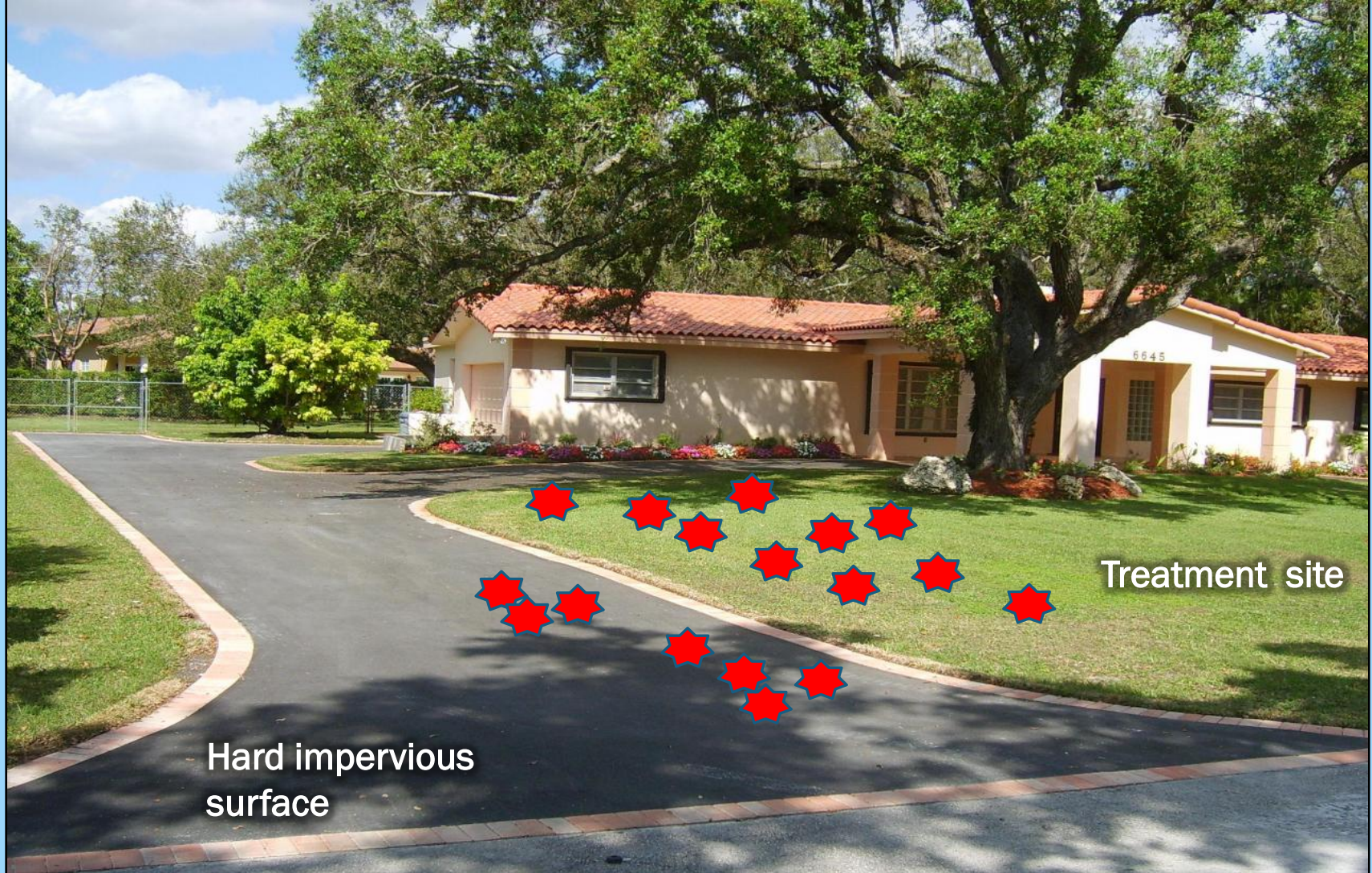






**Perimeter band treatment of three feet wide or less from the base of a building outward.**





**2) Sweep any granules that land on horizontal impervious surfaces onto the treatment site.**





**(3) Windows, doors, and horizontal impervious surfaces, use:**

- Crack and Crevice
- Spot treatment limited to 2 square-feet
- Pin stream of 1-inch wide or less



(4) Vertical surfaces, such as walls, foundations and fencing:

- Spot of 2 sq-ft
- Crack and Crevice
- Pin stream of -1-inch wide
- Perimeter band up to 2-feet from grade

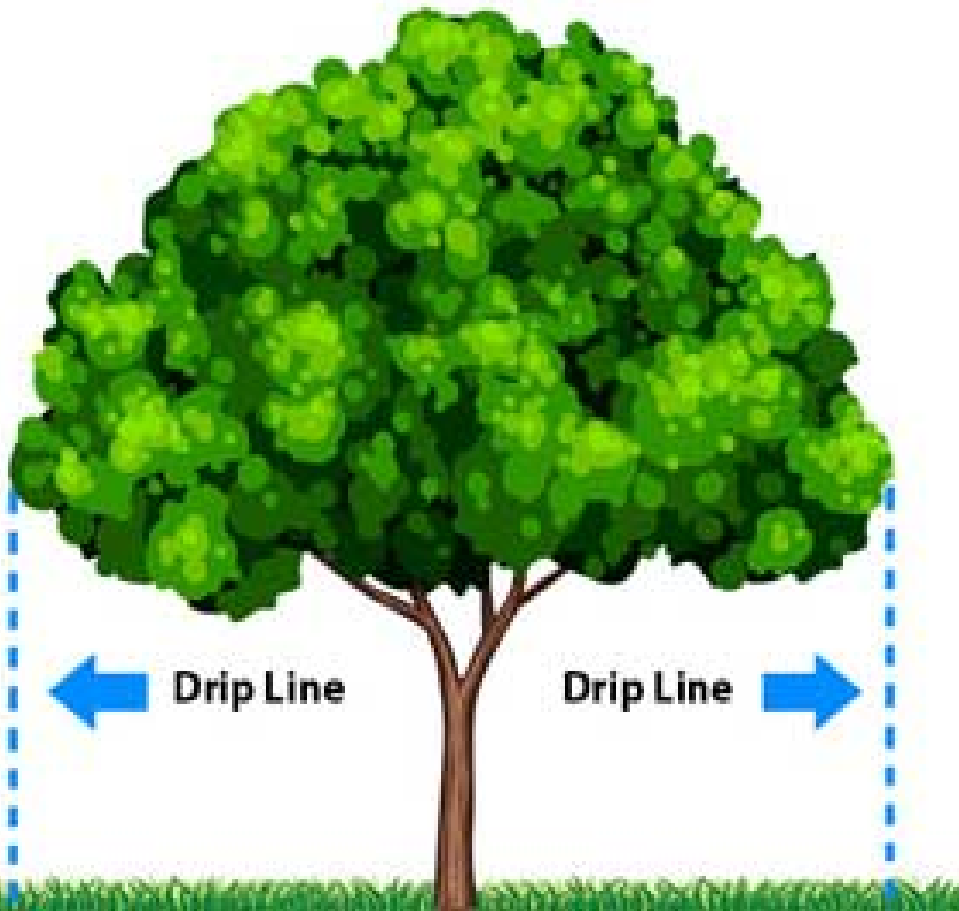
# 5) PROHIBITED APPLICATIONS

**During rain**  
(except under eaves)



**Any surface  
with standing  
water**

# PROHIBITED APPLICATIONS



Made to trees or shrubs if there is standing water within their drip line.



# PROHIBITED APPLICATIONS



Storm drain or curbside gutter

Any construction component of a drainage system



# PROHIBITED APPLICATIONS

Visible  
French Drains



Landscaped dry river bed  
or swale



# PROHIBITED APPLICATIONS

Within 25-feet of aquatic habitat located down gradient from the application





# Definition

**"Aquatic habitat" means bodies of water, such as lakes, reservoirs, rivers, perennial and intermittent streams, wetlands, or ponds, sloughs, and estuaries.**

# Summary & Conclusion

- ❖ **17 Pyrethroids regulated**
- ❖ **5 Surface types**
- ❖ **Methods**

# <https://Calagpermits.org>

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- Calling the department at (858) 694-8980
- Email the department at:

[prp.awm@sdcounty.ca.gov](mailto:prp.awm@sdcounty.ca.gov)



# Office Locations:

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